

adhering component configured to fasten the performing component to said tissue such that the radiance source and detector are facing, contiguous with and compress the tissue.

wherein said one surface of said performing component protrudes from the plane of the adhering component surface in the direction of the compressed tissue thereby to exclude external light and direct light from the radiance source; and

wherein, when operative, the adhering component fastens the performing component to the tissue to the extent that the detector only receives rays which are reflected from within the tissue and whereby external light and direct light from the radiance source are excluded.

8 (Once Amended). A sensor according to claim 1 wherein the performing component further comprises a partition in between the radiance source and the detector.

13 (Twice Amended). A system for radiance based diagnostics comprising:

a sensor; and

an electronic circuit in communication with the sensor components and capable of controlling the sensor components operation;

wherein the sensor comprises.

a performing component comprising at least one radiance source for radiating a tissue and at least one detector for detecting rays reflected from said tissue and wherein one surface of said performing component faces said tissue; and
having one surface facing the tissue; said adhering component